## **Claims**

- 1. A laminate comprising a transparent type I collagen sheet and a cultured layer of human corneal endothelial cells provided on said sheet.
- 2. The laminate according to claim 1, wherein the transparency of said transparent type I collagen sheet is maintained under physiological conditions.
- 3. The laminate according to claim 1 or 2, wherein said transparent type I collagen sheet has an adhesive factor or bioadhesive layer on the opposite side from the cultured layer of human corneal endothelial cells.
- 4. The laminate according to any of claims 1 to 3, wherein an adhesive factor or bioadhesive layer is provided between said transparent type I collagen sheet and said cultured layer of human corneal endothelial cells.
- 5. The laminate according to claim 3 or 4, wherein said adhesive factor is human plasma fibronectin.
- 6. A method for manufacturing a laminate of cultured human corneal endothelial cells layer comprising: preparing a transparent type I collagen sheet; and culturing human corneal endothelial cells on said sheet to form a cultured layer of human corneal endothelial cells.
- 7. The method according to claim 6 wherein the transparency of said transparent type I collagen sheet is maintained under physiological conditions.
- 8. The method according to claim 6 or 7, wherein said human corneal endothelial cells are cultured on a transparent type I collagen sheet that has been coated with an adhesive factor or a bioadhesive.
- 9. The method according to claim 8, wherein said adhesive factor is human plasma fibronectin.

- 10. The method according to any of claims 6 to 9, wherein said human corneal endothelial cells are cultured after providing a culture solution containing human corneal endothelial cells on a transparent type I collagen sheet and applying centrifugal force in the direction of said transparent type I collagen sheet.
- 11. The method according to any of claims 7 to 11, wherein in the culturing of said human corneal endothelial cells, the concentration of said human corneal endothelial cells in a culture solution is set to within a range of from  $1 \times 10^5$  to  $1 \times 10^7$  cells /mL.
- 12. The method according to any of claims 6 to 11, wherein said corneal endothelial cells are cells that have been passaged.
- 13. The method according to claim 12, wherein the passage is conducted for 2 to 10 generations.
- 14. The method according to any of claims 6 to 13, wherein said corneal endothelial cells are cultured under conditions of 37°C and 10 percent CO<sub>2</sub>.
- 15. The method according to any of claims 6 to 14, wherein the culturing is conducted using a cell culturing solution comprising fetal bovine serum, growth factor, and hyaluronic acid in a medium of low glucose concentration.